



CERTIFICATE



EU-Type examination certificate EM-007-18

Directive 2014/30/EU

Manufacturer: Joint Stock Company "Novomet-Perm"
Name and address: 395 Shosse Kosmonavtov Perm, 614065, Russia

Authorized representative: SIA "Baltic CG"
Name and address: Lubanas str. 78, LV-1073 Riga, Latvia

Assessed according to the directive 2014/30/EU: **EU Type examination Modul B**

Apparatus: Novomet surface panel for downhole sensor system
NSP-03/B

Technical documentation: Technical specification, user manual and tests reports.

Assessment report: No 161-18-0002, 11.01.2018

Inspecta Estonia OÜ hereby states that the above mentioned apparatus complies with the essential requirements of the Directive 2014/30/EU.

That statement is limited to those aspects of the requirements which have been assessed by the notified body.

A list of the aspects covered by the assessment is annexed to this certificate.

Valid until: 26.01.2028

Raivo Roasto
Head of electric department

Tallinn 26.01.2018

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Notified Body No 1336

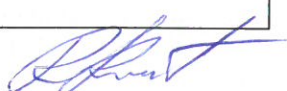


Annex to the certificate No: EM-007-18

Novomet Surface Panel NSP-03/B for downhole system of system telemetry.

No	Documentation and aspects of the assessment	Notes
1	Documentation	
1.2	User and Service Manuals NSP : 500.007.0000P3, 04.04.2017 BN03	Documentation contains the information required by the Directive 2014/30/EU
1.3	Technical conditions NSP/B TY 4231-001-12058737-2016	Documentation contains the information required by the Directive 2014/30/EU
2	Testing	
2.1	Immunity to radiated radio-frequency EM field at 80 MHz to 1GHz , 10 V/m and 1,4 GHz to 2GHz , 10 V/m EN 61000-4-3:2006 EN 61000-4-3:2006/A1:2008 EN 61000-4-3:2006/A2:2010	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.2	Immunity to fast transients EN 61000-4-4:2012 1 kV for Line to Line 2 kV for Line to Earth	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.3	Immunity to Surges EN 61000-4-5:2014 and EN 61000-4-5:2014/A1:2017 1 kV for Line to Line 2 kV for Line to Earth	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.4	Immunity to conducted disturbances, induced by radio – frequency field 10 V, 150 kHz-80MHz, EN 61000-4-6:2014.	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.5	Immunity to ESD EN 61000-4 -2:2009 Air discharge $\pm$ 8 kV Contact discharge $\pm$ 4 kV	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.6	Immunity to power frequency magnetic field 60 Hz, 30 A/m EN 61000-4-8:2010	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.7	Immunity to voltage dips, short interruptions EN 61000-4-11:2004 EN 61000-4-11:2004/A1:2017	Tested equipment according to the requirements of immunity EN 61439-1:2011 Table J.1, criteria A.
2.8	Mains terminal disturbance at 0,15 MHz to 30 MHz CISPR 22:2008	Tested equipment according to the requirements EN 61000-6-4:2007 and EN 61000-6-4:2007/A1:2011.
2.9	Radiated Disturbance field strength in the frequency range 30 MHz to 1000 MHz CISPR 22:2008	Tested equipment according to the requirements EN 61000-6-4:2007 and EN 61000-6-4:2007/A1:2011.
2.10	Power supply harmonics EN 61000-3-2:2014	Tested equipment according to the requirements EN 61000-3-2:2014. Class A.

Tallinn, 26.01.2018


Raivo Roasto
Head of electric department